

Appl. No. 09/721,749

Amdt. Dated: August 12, 2005

Reply to Office Action of: February 23, 2005

REMARKS

The Applicants note and thank the Examiner for the indication of allowability of claims 26 to 29, 32, 33, 35 and 36. It is also noted that the balance of the claims are only objected under 35 USC 112 and it is believed that these objections are overcome by the amendments made and submitted herewith. The Applicants also thank the Examiner for the courtesy of a telephone interview in which the detailed amendments were discussed.

The amendment requested by the Examiner to claim 26 (identified as claim 1 in the rejection) has been made by referring to said digital signal representative of said spectrum.

Claim 30 has been rewritten such that it depends upon claim 26 and now specifies that the optical element signal converter and processor are combined in a single integrated component.

Claim 31 has been deleted as it is redundant in view of the amendment made to claim 30.

In claim 34, the term transducer has been changed to signal converter and in claim 37, said signals has been changed to said digital signal representative of said incident signal which finds antecedent in claim 26.

Method claim 38 has been rewritten to clarify the phrasing bridging pages 11 and 12 of the previous amendment such that it now requires a step of applying spectrum reconstruction and enhancement algorithms to said digital signal to augment said digital signal.

It is believed that this rearrangement avoids the confusion caused by the ordering of the items in the previous terminology.

Claim 38 has also been amended to include the step of converting the spectral bands into a digital signal for clarity of the language used.

Claim 39 now specifies that the incident signal is applied to a spectrometer.

It is believed therefore that by these amendments, all the objections raised by the Examiner are overcome and accordingly further action to allowance is respectfully requested.

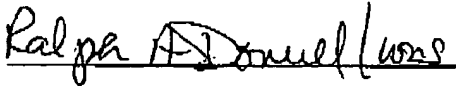
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Applicant requests early reconsideration and allowance of the present application.

Respectfully submitted,

A handwritten signature in cursive script that reads "Ralph A. Dowell". The signature is written in dark ink and is positioned above the printed name.

Ralph A. Dowell

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